

What is claimed is:

1. A medical image radiographing system comprising a radiographing apparatus for radiographing a medical image of a patient, an information management apparatus for managing radiographing order information, a control apparatus for obtaining the radiographing order information from the information management apparatus through a communication network, and a portable terminal connectable to the control apparatus,

wherein the control apparatus comprises:

a storage section for storing the radiographing order information obtained from the information management apparatus; and

an assigning section for assigning an operator for performing radiography according to the radiographing order information stored,

the control apparatus transmits the radiographing order information to the portable terminal along with operator identification information of the operator assigned, and

the portable terminal comprises:

a storage section for storing the radiographing order information and the operator identification information transmitted from the control apparatus;

an authentication section for authenticating the operator on the basis of the operator identification

information stored; and

a display section for displaying the radiographing order information stored when the authentication section authenticates the operator.

2. The system of claim 1, wherein the portable terminal further comprises a warning section for warning that the operator is not assigned, when the authentication section does not authenticate the operator.

3. The system of claim 1, further comprising a plurality of control apparatuses,

wherein the portable terminal further comprises an input section for inputting radiography completion information for informing that the radiography according to the radiographing order information stored is completed, and transmits order identification information of the radiographing order information according to which the radiography has completed, to a control apparatus which has transmitted the radiographing order information to the portable terminal among the plurality of control apparatuses on the basis of the radiography completion information input, and

each control apparatus transmits the order identification information of the radiographing order information transmitted from the portable terminal to the

other control apparatuses, and when all the plurality of control apparatuses receive the order identification information of the radiographing order information from at least one of any one of the plurality of control apparatuses and the information management apparatus, all the plurality of control apparatuses delete the radiographing order information from the storage section.

4. The system of claim 3, wherein the portable terminal is connectable to a specific control apparatus among the plurality of control apparatuses.

5. The system of claim 3, wherein the portable terminal is connectable to any of the plurality of control apparatuses.

6. A method for displaying radiographing order information in a medical image radiographing system comprising a radiographing apparatus for radiographing a medical image of a patient, an information management apparatus for managing radiographing order information, a control apparatus for obtaining the radiographing order information from the information management apparatus through a communication network, and a portable terminal connectable to the control apparatus, the method comprising:

storing the radiographing order information obtained

from the information management apparatus in a storage section of the control apparatus;

assigning an operator for performing radiography of the radiographing order information stored;

storing operator identification information of the operator assigned and the radiographing order information in a storage section of the portable terminal;

authenticating the operator on the portable terminal on the basis of the operator identification information stored; and

displaying the radiographing order information for which the operator is assigned on a display section of the portable terminal when the operator is authenticated.

7. The method of claim 6, further comprising: warning that the operator is not assigned when the operator is not authenticated.

8. The method of claim 6, wherein the medical image radiographing system further comprises a plurality of control apparatuses, the method further comprising:

inputting radiography completion information at the portable terminal for informing that the radiography according to the radiographing order information is completed;

transmitting order identification information of the

radiographing order information from a control apparatus which has received the order identification information among the plurality of control apparatuses to the other control apparatuses among the plurality of control apparatuses based on the radiography completion information input, the radiographing order information according to which the radiography has completed; and

deleting the radiographing order information according to which the radiography has completed from storage sections of the plurality of the control apparatuses when all the plurality of control apparatuses receive the order identification information of the radiographing order information according to which the radiography has completed from at least one of any one of the plurality of control apparatuses and the information management apparatus.

9. The method of claim 8, wherein the portable terminal is connectable to a specific control apparatus among the plurality of control apparatuses.

10. The method of claim 8, wherein the portable terminal is connectable to any of the plurality of control apparatuses.

11. A portable terminal in a medical image radiographing system, comprising:

a receiving section for receiving radiographing order information including information related to a patient;

a display section for displaying the radiographing order information;

an input section for inputting operator identification information of an operator;

an identification information authentication section for authenticating the operator according to the operator identification information input at the input section; and

a display control section for controlling display of the information related to the patient on the display section on the basis of a result of operator authentication by the identification information authentication section.

12. The terminal of claim 11, further comprising a radiographing order information storage section for storing the radiographing order information received by the reception section,

wherein the display control section controls display on the display section by downloading the information related to the patient from the radiographing order information storage section on the basis of the result of operator authentication by the identification information authentication section.

13. The terminal of claim 11, wherein the display

control section controls display on the display section by downloading the information related to the patient by way of a control apparatus from an information management apparatus managing the radiographing order information on the basis of the result of operator authentication by the identification information authentication section.

14. The terminal of claim 11, wherein the identification information authentication section is set to operate in conjunction with a start-up of the portable terminal.

15. A display control method for displaying information related to a patient, comprising:

receiving radiographing order information including the information related to a patient;

displaying the radiographing order information on a display section;

inputting operator identification information of an operator;

authenticating the operator according to the operator identification information input; and

controlling display of the information related to the patient on the display section on the basis of a result of the operator authentication.

16. The method of claim 15, further comprising storing the radiographing order information received, wherein the controlling display of the information related to the patient includes controlling display on the display section by downloading the information related to the patient included in the radiographing order information stored on the basis of the result of the operator authentication.

17. The method of claim 15, wherein the controlling of the information related to the patient includes controlling display on the display section by downloading the information related to the patient by way of a control apparatus from an information management apparatus managing the radiographing order information on the basis of the result of the operator authentication.

18. The method of claim 15, wherein the authenticating the operator according to the identification information is done in conjunction with a start-up of the portable terminal.

19. A program for making a computer execute:  
receiving radiographing order information including information related to a patient;  
displaying the radiographing order information on a

display section;

receiving an input of operator identification information of an operator;

authenticating the operator according to the operator identification information input; and

controlling display of the information related to the patient on the display section on the basis of a result of the operator authentication.

20. A medical image radiographing system comprising:

a control apparatus for storing radiographing order information including information related to a patient as downloadable, and capable of transmitting the radiographing order information to an external device in response to downloading instruction;

a network connected to the control apparatus;

a portable terminal for receiving the radiographing order information through the network and displaying the information related to the patient after authenticating an operator when providing the operator the radiographing order information; and

a radiographing apparatus for performing radiography of the patient in accordance with instruction of the operator.

21. The system of claim 20,

wherein the portable terminal comprises:

a receiving section for receiving the radiographing order information including the information related to the patient;

a radiographing order information storage section for storing the radiographing order information received by the receiving section;

a display section for displaying the radiographing order information;

an input section for inputting operator identification information of an operator;

an identification information authentication section for authenticating the operator according to the operator identification information input at the input section; and

a display control section for controlling display of the information related to the patient on the display section on the basis of a result of operator authentication by the identification information authentication section.

22. The system of claim 21, wherein the display control section of the portable terminal controls display on the display section by downloading the information related to the patient from the radiographing order information storage section on the basis of the result of operator authentication by the identification information authentication section.

23. The system of claim 21, wherein the display control section of the portable terminal controls display on the display section by downloading the information related to the patient by way of the control apparatus from the information management apparatus managing the radiographing order information on the basis of the result of operator authentication by the identification information authentication section.

24. The system of claim 21, wherein the identification information authentication section of the portable terminal is set to operate in conjunction with a start-up of the portable terminal.

25. A medical image radiographing system comprising:  
a control apparatus for managing radiographing order information and a medical image related to the radiographing order information;

at least one portable terminal to which the control apparatus is capable of transmitting the radiographing order;

an assigning section for assigning a portable terminal among the at least one portable terminal to which the control apparatus transmits the radiographing order information when the control apparatus transmits the radiographing order apparatus to the at least one portable terminal; and

a communication control section for transmitting the

radiographing order information to the portable terminal assigned.

26. The system of claim 25, further comprising a storage section for storing an address allocated for each of the at least one portable terminal;

wherein the assigning section assigns the portable terminal to which the control apparatus transmits the radiographing order information to with the address; and the communication control section controls communication of the system with the address.

27. The system of claim 26, wherein the control apparatus comprises the assigning section.

28. The system of claim 25, further comprising a plurality of control apparatuses,

wherein the plurality of control apparatuses are connected to each other through a network.

29. The system of claim 28, wherein the at least one portable terminal is capable of communicating with the plurality of control apparatuses through the network.

30. The system of claim 28, wherein the at least one portable terminal is capable of communicating with a

predetermined control apparatus among the plurality of control apparatuses.

31. A medical image radiographing system comprising:  
a radiographing order generating apparatus for generating radiographing order information;

a control apparatus for obtaining the radiographing order information and relatedly managing the radiographing order information and at least one of information related to the radiographing order information and a medical image;

at least one portable terminal to which the control apparatus is able to transmit the radiographing order;

an assigning section for assigning a portable terminal to which the control apparatus transmits the radiographing order information among the at least one portable terminal when the control apparatus transmits the radiographing order information to the at least one portable terminal; and

a communication control section for transmitting the radiographing order information to the portable terminal assigned.

32. The system of claim 31, further comprising a storage section for storing an address allocated for each of the at least one portable terminal,

wherein the assigning section assigns the portable terminal to which the control apparatus transmits the

radiographing order information with the address, and  
the communication control section controls  
communication of the system with the address.

33. The system of claim 32, wherein the control  
apparatus comprises the assigning section.

34. The system of claim 31, further comprising a  
plurality of control apparatuses,  
wherein the plurality of control apparatuses are  
connected to each other through a network.

35. The system of claim 34, wherein the at least one  
portable terminal is capable of communicating with the  
plurality of control apparatuses through the network.

36. The system of claim 34, wherein the at least one  
portable terminal is capable of communicating with a  
predetermined control apparatus among the plurality of  
control apparatuses.

37. A medical image radiographing system comprising:  
at least one control apparatus for managing  
radiographing order information and a medical image related  
to the radiographing order information;  
at least one portable terminal comprising at least one

of a receiving section for receiving the radiographing order information from the at least one control apparatus, and a transmitting section for transmitting a radiography result corresponding to the radiographing order information;

an assigning section for assigning at least one of a portable terminal among the at least one portable terminal to which the at least one control apparatus transmits the radiographing order information when the at least one control apparatus transmits the radiographing order information to the at least one portable terminal, and a control apparatus among the at least one control apparatus to transmit the radiography result to when the at least one portable terminal transmits the radiography result to the at least one control apparatus;

a communication control section, when the assigning section assigns a portable terminal among the at least one portable terminal to transmit the radiographing order to, for transmitting the radiographing order information to the portable terminal, and, when the assigning section assigns a control apparatus among the at least one control apparatuses to transmit the radiography result to, for transmitting the radiography result to the control apparatus.

38. The system of claim 37, further comprising a storage section for storing an address allocated for each of the at least one portable terminal,

wherein the assigning section assigns a portable terminal among the at least one portable terminal to transmit the radiographing order information to with the address, and the communication control section controls communication of the medical image radiographing system with the address.

39. The system of claim 37, further comprising a storage section for storing an address allocated for each of the at least one control apparatus,

wherein the assigning section assigns a control apparatus among the at least one control apparatus to transmit the radiographing order information according to which radiography has been completed to with the address, and

the communication control section controls communication of the medical image radiographing system with the address.

40. The system of claim 38,

wherein the storage section stores an address allocated for each of the at least one control apparatus, and

the assigning section assigns a control apparatus among the at least one control apparatus to transmit the radiographing order information according to which radiography has been completed to with the address.

41. The system of claim 38, wherein the at least one control apparatus comprises the assigning section.

42. The system of claim 37, wherein each of the at least one control apparatus and the at least one portable terminal comprises the assigning section and the communication control section.

43. The system of claim 37, further comprising a plurality of control apparatuses,

wherein the plurality of control apparatuses are connected to each other through a network.

44. A medical image radiographing system comprising:  
a radiographing apparatus for radiographing a medical image of a patient;

an information management apparatus for managing radiographing order information and transmitting the radiographing order information to outside according to instruction through a communication network;

a plurality of control apparatuses for generating a radiographing order list by receiving the radiographing order information from the information management apparatus through the communication network, transmitting the radiographing order information assigned in the radiographing order list to a portable terminal and relating

the radiographing order information with radiography result related information transmitted from the portable terminal; and

at least one portable terminal connectable to at least one of the plurality of control apparatuses for transmitting the radiography result related information corresponding to the radiographing order information received from the at least one of the plurality of control apparatuses to one of the plurality of control apparatuses,

wherein when one of the plurality of control apparatuses relates the radiographing order information with the radiography result related information, the radiographing order information is deleted from the radiographing order list of the other control apparatuses.

45. The system of claim 44,

wherein the radiographing apparatus radiographs a radiation image by using a cassette, and

the radiography result related information is identification information of the cassette used for radiographing the radiation image.

46. A medical image radiographing system comprising:

a radiographing apparatus for radiographing a medical image of a patient,

an information management apparatus for managing

radiographing order information and transmitting the radiographing order information to outside according to instruction through a communication network,

a plurality of control apparatuses for generating a radiographing order list by receiving the radiographing order information from the information management apparatus through the communication network, transmitting the radiographing order information assigned in the radiographing order list to a portable terminal and relating the radiographing order information with radiography result related information transmitted from the portable terminal; and

at least one portable terminal connectable to at least one of the plurality of control apparatuses for displaying the radiographing order information received from the at least one of the plurality of control apparatuses;

wherein when any one of the plurality of control apparatuses transmits the radiographing order information to any one of the at least one portable terminal, the radiographing order information is deleted from the radiographing order list of the other control apparatuses.